

Claims: I claim:

1. In a non-planar log-periodic antenna of type comprising two radiator arms oriented about a common axis with and enclosing a square pyramidal conductor with truncated tip,
2. Said antenna wherein the arms are composed of low ohmic loss metal.
3. Said antenna wherein arms are identical log-periodic shapes, inclined by less than 30 degrees to each other, oriented to have 180 degree symmetry about the said common axis.
4. Said square pyramidal conductor made of low loss metal.
5. Said square pyramidal conductor wherein axis of pyramid and said antenna arm pair are common.
6. Said square pyramidal conductor wherein opening angle of same is one half or less inclination angle of said antenna arms.
7. Said square pyramidal conductor wherein same has identical projected extent along common axis as said antenna.
8. Combination of said two antenna arms with said shield in the interior wherein the entire structure behaves <sup>as</sup> a log-periodic antenna
9. The non-planar log-periodic antenna of type comprising four radiator arms oriented about a common axis and enclosing a square pyramidal conductor with truncated tip.
10. The said combination wherein a short wire is attached to the narrow end of each said antenna arm, at an endpoint of the said antenna arm centerline, and threaded into the said square pyramidal conductor through said truncated tip of the said square pyramidal conductor.
11. The said antenna wherein the square pyramidal conductor is enclosed on four sides by four identical log-periodic antenna arms.